BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Detailed Estimate for Providing Path way Lighting to Bhuvaneshwarinager Park in ward no 6

Budget Head .....

Division No..... Estimate No. EST/30/2017-18 For Rs. 1000000.00

Sl. No.	& SL No	Description of Work	Qty.	Rate Rs.	Unit	Amount
1	35/5.16.2	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended. 3 meters - Top 75mm and bottom 105 mm dia	32	5724.00	Each	183168.00
2	26/4.34.2	LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical conditionLED Post Top Lantern with 24 watts	32	15930.00	Each	509760.00
3	9 32 / 9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	1	4200.00	Each	4200.00
4	6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	1	9915.00	Each	9915.00
5	47/6.16.2	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. b)40-63 Amps SP, Group 'A'	4	677.00	Each	2708.00

Administrative Sanction for Rs. 10.00 LAKHS RUPEES TEN LAKHS ONLY

is accorded under P 3290. 14TH FINANCE COMMISSION WORKS PROVIDING STREET LIGHTS AND MAINTENANCE

Registered as EE No. 28/2017-18 Subject to conditions contained in enclosed memo No. EE(EC)42/AS/28/2017-18 Dt 10.01.18

Executive Engineer

6	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	10	132.00	Per Mtr	1320.00
7	6/2.6.2	1.5 sqmm	209	15.90	Per Mtr	3323.10
8	55/7.1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	1	2727.00	Each	2727.00
9	45/6.7.4	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.d) 100 Amps	3	360.00	Each	1080.00
10	62/7.12.3	Supplying and fixing of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. b)50mm	6	391.00	Per Mtr	2346.00
11	49/6.40.2	Fabricating supplying and mounting MS box made out… SWG suitable lfor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	30000	0.33	Sqcm	9900.00
12	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	5	263.00	Per Mtr	1315.00

TECHNICALLY SANCTIONED FOR Rs. 10.00 LAKHS
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Dt. 10.01.2018 Estimate A/ Sanctioned
EE(ELE/Y2/AS/28/2017-18
Dated 10.01.2018 Rs. 10.00 LAKHS
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13	55/7.3	Supplying and running of Gl/Copper strips for grounding connections, using necessary fixing materials as required.I GI Strip. B)25X3mm	5	77.00	Per Mtr	385.00
14	62/7.13.2	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.16 Sq mm	2	280.00	each	560.00
15	55/7.4.5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm	560	140.40	Per Mtr	78624.00
16		3.5 core 25 sqmm	50	165.00	Per Mtr	8250.00
17	61/7.8.2	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	560	10.80	Per Mtr	6048.00
18		b)25sqmm to 75 sqmm	50	16.00	Per Mtr	800.00
19	62/7.9.1	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB l-2, P-7).a) In soil (ordinary)	500	78.00	Per Mtr	39000.00
20	pwd sr 14-15	Providing Rcc Pole pedstal of Size 0.3x0.3x0.8 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet	32	1080.00	Each	34560.00
		Total Rs				899989.10
		KRIDL Charges 11%				98998.80
		BESCOM DEPOSITE & Meter CHARGES				1012.10
		Total				**1000000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 /lowest quotation rates/ approved Rates.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YALAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE